

Title (en)

IN-VEHICLE FALL PREVENTION DEVICE AND FALL PREVENTION INFORMATION PROVIDING DEVICE

Title (de)

VORRICHTUNG ZUR STURZPRÄVENTION IN EINEM FAHRZEUG UND VORRICHTUNG ZUR BEREITSTELLUNG VON INFORMATIONEN ZUR STURZPRÄVENTION

Title (fr)

DISPOSITIF DE PRÉVENTION DE CHUTE EMBARQUÉ ET DISPOSITIF DE FOURNITURE D'INFORMATIONS DE PRÉVENTION DE CHUTE

Publication

EP 3782839 B1 20221123 (EN)

Application

EP 20173478 A 20200507

Priority

- JP 2019090117 A 20190510
- JP 2020068578 A 20200406

Abstract (en)

[origin: EP3782839A1] An in-vehicle fall prevention device (52) includes: an acquisition unit (54, 236) that acquires a captured image obtained by imaging boarding motions of each of users (M, Ma) when the users step up a stepped part (218) and board a vehicle (10, 210, 300) in which the users can get on and off; an ability estimation unit (56, 238) that estimates a physical ability value for each of the users based on the captured boarding motion; a risk degree determination unit (58, 240) that determines a fall risk degree (D) of the user based on the physical ability value; a determination unit (60) that determines whether a boarding posture corresponding to the fall risk degree is satisfied, for each of the users who boarded the vehicle; and a control unit (62) that executes departure control of the vehicle based on a determination result of the determination unit.

IPC 8 full level

B60K 28/02 (2006.01)

CPC (source: EP)

B60K 28/02 (2013.01); **B60W 2300/10** (2013.01); **B60W 2540/01** (2020.02); **B60W 2540/041** (2020.02); **B60W 2540/221** (2020.02); **B60W 2540/223** (2020.02)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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